



## **DIFFERENTIALLY EXPRESSED GENES IN PROSTATE CANCER**

### **ABSTRACT OF THE DISCLOSURE**

5           SEQ ID NO: 1, SEQ ID NO: 2, and SEQ ID NO: 3 encode an intracellular protein that is expressed in prostate epithelial cells in a hormone dependent manner. Encoded proteins SEQ ID NO: 4, SEQ ID NO: 5, and SEQ ID NO: 6 have predominantly perinuclear, nuclear and predominantly nuclear location localization within a cell, respectively. In contemplated methods of detecting a neoplastic cell in a system, a  
10   predetermined amount of at least one of SEQ ID NO: 4, SEQ ID NO:5, and SEQ ID NO: 6, or at least one of SEQ ID NO: 7, SEQ ID NO: 8, and SEQ ID NO: 9 is correlated with the presence of a neoplastic cell and detected within the system employing specific binding of a labeled probe. In a method of identifying differentially expressed genes, a tissue specific array of cDNA prepared by suppression subtractive hybridization is arranged on a solid  
15   phase. Two nucleic acid preparations are individually hybridized with the array, wherein the first and second nucleic acid preparations are prepared from treated and untreated target tissue. A comparison of the hybridization patterns reveals differentially expressed genes.